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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Lawrence W. Yonge et al.      Art Unit : 2133  
Serial No. : 10/720,016      Examiner : Unknown  
Filed : November 20, 2003  
Title : USING ERROR CHECKING BITS TO COMMUNICATE AN ADDRESS OR  
OTHER BITS

MAIL STOP AMENDMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

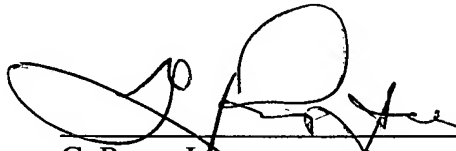
INFORMATION DISCLOSURE STATEMENT

Applicants submit the references listed on the attached form PTO-1449. Accordingly, only copies of the foreign patent documents and non-patent literature are enclosed. Applicants do not concede that the listed references are prior art.

This statement is being filed before the receipt of a first Office Action on the merits.  
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Respectfully submitted,

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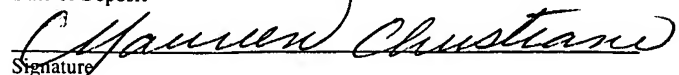
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Maureen Christiano  
Typed or Printed Name of Person Signing Certificate

Substitute Form PTO-1449 (Modified)  <b>OCT 21 2004</b> INFORMATION DISCLOSURE STATEMENT by Applicant (Use several sheets if necessary) (37 CFR § 1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. <b>04838-076001</b>	Application No. <b>10/720,016</b>
	Applicant <b>Lawrence W. Yonge III et al.</b>		
	Filing Date <b>November 20, 2003</b>	Group Art Unit <b>2133</b>	

### U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	6778507	08/17/04	Jalali			
	AB	6747976	06/08/04	Bensaou et al.			
	AC	6671284	12/30/03	Yonge III et al.			
	AD	6667991	12/23/03	Tzannes			
	AE	6654410	11/25/03	Tzannes			
	AF	6567914	05/20/03	Just et al.			
	AG	6553534	04/22/03	Yonge III et al.			
	AH	6538985	03/25/03	Petry et al.			
	AI	6526451	02/25/03	Kasper			
	AJ	6519263	02/11/03	Huth			
	AK	6501760	12/31/02	Ohba et al.			
	AL	6487212	11/26/02	Erimli et al.			
	AM	6480489	11/12/02	Muller et al.			
	AN	6473435	10/29/02	Zhou et al.			
	AO	6466580	10/15/02	Leung			
	AP	6456649	09/24/02	Isaksson et al.			
	AQ	6442129	08/27/02	Yonge, III et al.			
	AR	6434153	08/13/02	Yazaki et al.			
	AS	6430661	08/06/02	Larson et al.			
	AT	6397368	05/28/02	Yonge, III et al.			
	AU	6385672	05/07/02	Wang et al.			
	AV	6370156	04/09/02	Spruyt et al.			
	AW	6363052	03/26/02	Hosein			
	AX	6343083	01/29/02	Mendelson et al.			
	AY	6334185	12/25/01	Hansson et al.			
	AZ	6295296	09/25/01	Tappan			
	AAA	6289000	09/11/01	Yonge, III			

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	ABB	6279716	08/28/01	Kayatani et al.			
	ACC	6278716	08/21/01	Rubenstein et al.			
	ADD	6278685	08/21/01	Yonge, III et al.			
	AEE	6259696	07/10/01	Yazaki et al.			
	AFF	6252849	06/26/01	Rom et al.			
	AGG	6243449	06/05/01	Margulis et al.			
	AHH	6243386	06/05/01	Chan et al.			
	AII	6222851	04/24/01	Petry			
	AJJ	6216244	04/10/01	Myers et al.			
	AKK	6215792	04/10/01	Abi-Nassif			
	ALL	6202082	03/13/01	Tomizawa et al.			
	AMM	6192397	02/20/01	Thompson			
	ANN	6188717	02/13/01	Kaiser et al.			
	AOO	6182147	01/30/01	Farinacci			
	APP	6169744	01/02/01	Grabelsky et al.			
	AQQ	6151296	11/21/00	Vijayan et al.			
	ARR	6130894	10/10/00	Ojard et al.			
	ASS	6130887	10/10/00	Dutta			
	ATT	6125150	09/26/00	Wesel et al.			
	AUU	6108713	08/22/00	Sambamurthy et al.			
	AVV	6092214	07/18/00	Quoc et al.			
	AWW	6076115	06/13/00	Sambamurthy et al.			
	AXX	6052377	04/18/00	Ohmi et al.			
	AYY	6044482	03/28/00	Wong			
	AZZ	6041358	03/21/00	Huang et al.			
	AAAA	6044154	03/28/00	Kelly			
	ABBB	6041063	03/21/00	Povlsen et al.			

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Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	ACCC	6006017	12/21/99	Joshi et al.			
	ADDD	6005894	12/21/99	Kumar			
	AEEE	5987011	11/16/99	Toh			
	AFFF	5970062	10/19/99	Bauchot			
	AGGG	5966412	10/12/99	Ramaswamy			
	AHHH	5956338	09/21/99	Ghaibeh			
	AIII	5948060	09/07/99	Gregg et al.			
	AJJJ	5940438	08/17/99	Poon et al.			
	AKKK	5940399	08/17/99	Weizman			
	ALLL	5914959	06/22/99	Marchetto et al.			
	AMMM	5914932	06/22/99	Suzuki et al.			
	ANNN	5903614	05/11/99	Suzuki et al.			
	AOOO	5896561	04/20/99	Schrader et al.			
	APPP	5892769	04/06/99	Lee			
	AQQQ	5886993	03/23/99	Ruszczyk et al.			
	ARRR	5884040	03/16/99	Chung			
	ASSS	5841873	11/24/98	Lockhart et al.			
	ATTT	5841778	11/24/98	Shaffer et al.			
	AUUU	5828677	10/27/98	Sayeed et al.			
	AVVV	5825807	10/20/98	Kumar			
	AWWW	5818826	10/06/98	Gfeller et al.			
	AXXX	5818821	10/06/98	Schurig			
	AYYY	5812599	09/22/98	Van Kerckhove			
	AZZZ	5799033	08/25/98	Baggen			
	AAAAA	5793307	08/11/98	Perrault et al.			
	ABBBB	5790541	08/04/98	Patrick et al.			
	ACCCC	5787071	07/28/98	Basso et al.			

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	ADDDD	5771235	06/23/98	Tang et al.			
	AEEEE	5764931	06/09/98	Schmahl et al.			
	AFFFF	5757770	05/26/98	Lagoutte et al.			
	AGGGG	5757766	05/26/98	Sugita			
	AHHHH	5745769	04/28/98	Choi			
	AIIII	5737330	04/07/98	Fulthorp et al.			
	AJJJJ	5732113	03/24/98	Schmidl et al.			
	AKKKK	5717689	02/10/98	Ayanoglu			
	ALLLL	5706348	01/06/98	Gray et al.			
	AMMMM	5694389	12/02/97	Seki et al.			
	ANNNN	5651009	07/22/97	Perreault et al.			
	AOOOO	5644576	07/01/97	Bauchot et al.		/	
	APPPP	5636230	06/03/97	Marturano et al.			
	AQQQQ	5629948	05/13/97	Hagiwara et al.			
	ARRRR	5623512	04/22/97	Sasaki			
	ASSSS	5619651	04/08/97	Young			
	ATTTT	5615212	03/25/97	Ruszczyk et al.			
	AUUUU	5612975	03/18/97	Becker et al.			
	AVVVV	5610908	03/11/97	Shelswell et al.			
	AWWWW	5568476	10/22/96	Sherer et al.			
	AXXXX	5563897	10/08/96	Pyndiah et al.			
	AYYYY	5563883	10/08/96	Cheng			
	AZZZZ	5555268	09/10/96	Fattouche et al.			
	AAAAAA	5548649	08/20/96	Jacobson			
	ABBBBB	5541922	07/30/96	Pyhalammi			
	ACCCCC	5537414	07/16/96	Takiyasu et al.			
	ADDDDD	5524027	06/04/96	Huiskens			

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	AEEEEEE	5515379	05/07/96	Crisler et al.			
	AFFFFF	5504747	04/02/96	Sweazey			
	AGGGGG	5488632	01/30/96	Mason et al.			
	AHHHHH	5483529	01/09/96	Baggen et al.			
	AIIIII	5473602	12/05/95	McKenna et al.			
	AJJJJJ	5452322	09/19/95	Lauer			
	AKKKKK	5452288	09/19/95	Rahuel et al.			
	ALLLLL	5448565	09/05/95	Chang et al.			
	AMMMMM	5436905	07/25/95	Li et al.			
	ANNNNN	5426646	06/20/95	Slack			
	AOOOOC	5416801	05/16/95	Chouly et al.			
	APPPPP	5384777	01/24/95	Ahmadi et al.			
	AQQQQQ	5343473	08/30/94	Cidon et al.			
	ARRRRR	5339313	08/16/94	Ben-Michael et al.			
	ASSSSS	5307376	04/26/94	Castelain et al.			
	ATTTTT	5280480	01/18/94	Pitt et al.			
	AUUUUU	5274629	12/28/93	Helard et al.			
	AVVVVV	5231634	07/27/93	Giles et al.			
	AWWWWW	5228025	07/13/93	Le Floch et al.			
	AXXXXX	5214646	05/25/93	Yacoby			
	AYYYYY	5197061	03/23/93	Halbert-Lassalle et al.			
	AZZZZZ	5157659	10/20/92	Schenkel			
	AAAAAA	5140584	08/18/92	Suzuki			
	ABBBBB	5121396	06/09/92	Irvin et al.			
	ACCCCC	5105423	04/14/92	Tanaka et al.			
	ADDDDD	5081678	01/14/92	Kaufman et al.			
	AEEEEEE	5046069	09/03/91	Calvignac et al.			

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	AAAAAA	5003539	03/26/91	Takemoto et al.			
	AGGGGG	5001472	03/19/91	Fischer et al.			
	AHHHHH	4943959	07/24/90	Arnold			
	AIIIII	4881241	11/14/89	Pommier et al.			
	AJJJJJ	4819229	04/04/89	Pritty et al.			
	AKKKKK	4792947	12/20/88	Takiyasu et al.			
	ALLLLL	4726018	02/16/88	Bux et al.			
	MMMMMM	4720850	01/19/88	Oberlander et al.			
	ANNNNN	4677612	06/30/87	Olson et al.			
	AOOOOO	4630261	12/16/86	Irvin			
	APPPPP	4581734	04/08/86	Olson et al.			
	AQQQQQ	4569044	02/04/86	Tao et al.			
	ARRRRR	3806885	04/23/74	Moore			
	ASSSSS	2004/0001499	01/01/04	Patella et al.			
	ATTTTT	2003/0006883	01/09/03	Kim et al.			
	AUUUUU	2003/0174664	09/18/03	Benveniste			
	AVVVVV	2003/0079169	04/24/03	Ho et al.			
	WWWWWW	2002/0191533	12/19/02	Chini et al.			
	AXXXXX	2002/0065047	05/30/02	Moose			
	AYYYYY	2002/0048368	04/25/02	Gardner			
	AZZZZZ	2002/0042836	04/11/02	Mallory			
	AAAAAA	2001/0048692	12/06/01	Karner			
	BBBBBB	2001/0043576	11/22/01	Terry			
	ACCCCC	Re. 35,001	07/25/95	Grow			

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No

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Foreign Patent Documents or Published Foreign Patent Applications								
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							Yes	No
	DDDDDD	02/41598	05/23/02	PCT				
	AEAAAA	98/57440	12/17/98	PCT				
	AFFFFFF	3413144	10/17/85	Germany				

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	GGGGGG	USSN 09/632,303
	HHHHHH	Sun et al., Public-key ID-based Cryptosystem, 1991, IEEE, pages 142-144
	AIIIIII	Bruschi, Danilo, Secure Multicast in Wireless Networks of Mobile Hosts: Protocols and Issues, 2002, Mobile Networks and Applications, pages 503-511
	AJJJJJJ	IBM, Combined use of collision resolution and collision avoidance MAC protocols, 10/1/1994, IBM Technical Disclosure Bulletin, Vol. 37, Pages 299-302 (NN9410299)
	KKKKKK	ISO/IEC 8802-3: 2002 International Standard (ANSI/IEEE Std 802.3) Carrier sense multiple access with collision detection (CSMA/CD) access method and physical layer specifications
	ALLLLL	ISO/IEC 8802-11: 1999 International Standard (ANSI/IEEE Std 802.11) Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) specifications
	MMMMM	Shared Wireless Access Protocol (Cordless Access) Specification, SWAP-CA Revision 1.21, 27 January 1999, by the HomeRF™ Technical Committee
	NNNNNN	Interface Specification for HomePNA™ 2.0 - 10M8 Technology, 12/01/1999
	OOOOOO	Interface Specification for HomePNA™ 2.0 - 10M8 Technology - Link Layer Protocols, 12/01/1999
	APPPPPP	Bux, "Token-Ring Local-Area Networks and Their Performance," Procs. Of the IEEE, Vol. 77, No. 2, February 1989
	QQQQQQ	Applied Cryptography, Second Edition: protocols, algorithms, and source code in C, Bruce Schneier, 1996
	RRRRRR	PKCS #5 v. 20: Password-Based Cryptography Standard, RSA Laboratories, March 25, 1999
	ASSSSS	HomePlug Powerline Alliance, HomePlug 1.0.1 Specification, December 1, 2001
	ATTTTT	Lee et al., "HomePlug 1.0 powerline communication LANs – protocol description and performance results", Int. J. Commun. Syst., Vol. 16 (2003)
	UUUUUU	Carrier sense multiple access with collision detection (CSMA/CD) access method and physical layer specifications, ISO/IEC 8802-3: 1996 International Standard (ANSI/IEEE Std 802.3)
	VVVVVV	Bertsekas et al., Data Networks, Prentice Hall, Englewood Cliffs, NJ, Section 2.4.3 Selective Repeat ARQ (1992)
	WWWWW	HiPerformance Radio Local Area Network (HiperLAN) Type I: Functional Specification, European Standard (Telecommunication Series) No. 300652 V. 1.2.1 1998-07
	XXXXXX	An Architecture for Differentiated Services, IETF RFC 2475, December 1998

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Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	YYYYYY	Goalic et al., "Real-Time Turbo-Decoding of Product Codes on a Digital Signal Processor," IEEE, pp. 624-628 (1997)
	AZZZZZZ	Benedetto et al., "A Soft-Input Soft-Output Maximum A Posteriori (MAP) Module to Decode Parallel and Serial Concatenated Codes," TDA Progress Report 42-127, pp. 1-20 (11/96)
	AAAAAA	Peterson et al., "Error-Correcting Codes," The MIT Press (1972)
	BBBBBB	Pyndiah, "Near-Optimum Decoding of Product Codes: Block Turbo Codes," IEEE Transactions on Communications, Vol. 46, No. 8, pp. 1003-1010 (08/98)
	CCCCCC	Pyndiah, "Near Optimum Decoding of Product Codes," IEEE, pp. 339-343 (1994)
	DDDDDD	Pyndiah, "Performance of Block Turbo Coded 16-QAM and 64-QAM Modulations," IEEE, pp. 1039-1043 (1995)
	EEEEEE	Ehram et al., "A cryptographic key management scheme for implementing the Data Encryption Standard," IBM Syst J, Vol. 17, No. 2 (1978)

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